

NOTES:

THE ELECTRICAL PORTION OF GRINDER PUMP INSTALLATIONS CONSISTS OF TWO CIRCUITS.

a) MOTOR CIRCUIT, 230 VOLT, FED FROM A DEDICATED 2 POLE 20 AMP BREAKER IN MAIN SERVICE PANEL TO 2 POLE LOCKABLE OUTDOOR NON-FUSED DISCONNECT, MODEL #U065P MANUFACTURED BY MIDWEST OR APPROVED EQUAL. DISCONNECT SHALL BE MOUNTED ON A SALT TREATED POST WITH BOTTOM OF DISCONNECT BOX A MINIMUM OF 6 INCHES ABOVE FINISHED GRADE OR ON THE NEAREST WALL OF THE DWELLING (50 FEET MAXIMUM) AND BE VISIBLE FROM THE GRINDER PUMP CAN. PUMP CABLE IS THEN ROUTED FROM DISCONNECT TO GRINDER PUMP CAN. SEE SCHEMATIC DIAGRAM ABOVE.


b) ALARM CIRCUIT, 115 VOLT, FED FROM A DEDICATED SINGLE POLE 15 AMP BREAKER IN MAIN SERVICE PANEL TO A 2 POLE LOCKABLE OUTDOOR NON-FUSED DISCONNECT, MODEL #U065P MANUFACTURED BY MIDWEST OR APPROVED EQUAL. DISCONNECT SHALL BE MOUNTED ON A SALT TREATED POST WITH THE BOTTOM OF THE DISCONNECT BOX AT LEAST 6 INCHES ABOVE FINISHED GRADE OR ON THE NEAREST WALL OF THE DWELLING (50 FEET MAXIMUM) AND BE VISIBLE FROM THE GRINDER PUMP CAN. THIS CIRCUIT IS A SWITCH LEG THROUGH AN ALARM CONTACT INTERNAL TO THE GRINDER PUMP CONTROLS. THE SUPPLY WIRE FEEDS FROM THE LIGHTING PANEL THROUGH THE DISCONNECT SWITCH AND INTO THE GRINDER PUMP. THE RETURN LEG LEAVES THE PUMP AND IS CONNECTED TO THE HOT SIDE OF THE ALARM LIGHT IN THE HOUSE. THE NEUTRAL CONDUCTOR IS FED DIRECTLY FROM THE LIGHTING PANEL TO THE ALARM LIGHT. THE RED ALARM LIGHT SUPPLIED WITH THE GRINDER PUMP SHOULD BE INSTALLED IN A CONSPICUOUS PLACE. SEE SCHEMATIC DIAGRAM ABOVE.

ALL BREAKERS AND SWITCHES SHALL BE CLEARLY MARKED.

THE LOCK AND PUMP WRENCH DELIVERED WITH THE GRINDER PUMP ARE TO BE LEFT IN THE CAN UNTIL JCSA PERSONNEL ARRIVE.

FOR QUESTIONS, CONTACT HOWARD ANBY AT JCSA OPERATIONS, 259-4096

REVISION DATE	COMMENT
12/13/04	ALL NEW DIAGRAM & CHANGE IN VOLTAGE
10/02/07	ADDED ARROWS AND COLOR NOTATION

	
<b>GRINDER PUMP ELECTRICAL SCHEMATIC</b>	
DWG NO. GP.2	SCALE: NONE
DWN BY:	DATE: 1-1-2002